

[54] **OPTICAL PROJECTION APPARATUS**

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[22] Filed: Jan. 22, 1974

[21] Appl. No.: 435,626

[30] **Foreign Application Priority Data**

Jan. 22, 1973 Japan..... 48-9361

[52] U.S. Cl. .... 178/6; 178/6.8; 178/7.6;  
178/15; 178/DIG. 22; 178/DIG. 28; 179/2  
TV; 340/146.3 SY

[51] Int. Cl.<sup>2</sup>... G08B 5/00; H04N 7/14; H04N 7/18

[58] Field of Search..... 178/DIG. 22, DIG. 28, 15,  
178/6.8, 7.6; 179/2 TV; 340/146.3 SY; 128/6

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[57] **ABSTRACT**

An optical projection apparatus including a projection screen on which a microimage is projected on an enlarged scale and adapted to be connected with an in-

formation processing system comprising;

microfilm feeding means which feeds and stops a microfilm on which a plurality of images are recorded, each image of the microfilm comprising an image frame portion and a code pattern portion recorded adjacent the image frame, each code in the code pattern portion representing information concerning a part of the image of the image frame portion positioned at a position corresponding to the code,

an optical projection system for projecting an image of the image frame portion onto a transmission type projection screen and projecting an image of the code pattern portion onto a reflection type projection screen provided in a side by side relation with the transmission type projection screen,

a light source device for illuminating a part of the image projected on the transmission type projection screen selectively from the opposite side of the screen to the optical projection system,

means for taking a view of the screen from the side of the projection system and putting out an image signal representing the view taken thereby,

signal conversion means for receiving the output image signal and converting the signal into a computer input signal representing the information concerning a part of the image of the image frame portion illuminated by the light source means, and

control means for controlling the microfilm feeding means according to an output signal of the computer.

**6 Claims, 9 Drawing Figures**

